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36-1001: Monoclonal Antibody to Ksp-Cadherin (Kidney-Specific Cadherin) / CDH16(Clone: CDH16/1071)

Clonality: Monoclonal
Clone Name: CDH16/1071

Application : ELISA,FACS,WB,IHC

Reactivity: Human, Rat
Gene: CDH16
Gene ID: 1014
Uniprot ID: 075309
Format: Purified

Alternative Name: CDH16,UNQ695/PRO1340

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant human CDH16 protein

Description

This MAb recognizes a protein of 130kDa, identified as Ksp-cadherin. Cadherins form a superfamily of related glycoproteins that mediate calcium-dependent cell adhesion and transmit signals from the extracellular matrix to the cytoplasm. Cadherins have been implicated in embryogenesis, tissue morphogenesis, tissue structure maintenance, cell polarization, neoplastic invasiveness and metastasis, and membrane transport. It is suggested that Ksp-cadherin is a marker for terminal differentiation of the basolateral membranes of renal tubular epithelial cells. Within the kidney, Ksp-Cadherin is found exclusively in the basolateral membrane of renal tubular epithelial cells and collecting duct cells, and not in glomeruli, renal interstitial cells, or blood vessels.Ksp-Cadherin has been suggested to distinguish Chromophobe Renal-Cell Carcinoma from Oncocytoma.

Product Info

Amount: 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

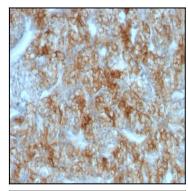
Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA); Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

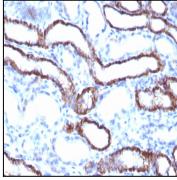


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Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with KSP-Cadherin Monoclonal Antibody (CDH16/1071)



Formalin-fixed, paraffin-embedded Rat Kidney stained with KSP-Cadherin Monoclonal Antibody (CDH16/1071)